

samples: scr-c028 in stg.

MINIPREP FOR DNA PREPARATION

- 1) INOCULATE CLONES INTO 3.0 ML OF LB MEDIA. OVERNIGHT AT 37 DEG.
- 2) THE FOLLOWING DAY LABEL 1.5 ML. STERILIZED EPENDORF TUBES TO BE USED.
- 3) CAP

- 4) SPIN TUBES USING THE EPENDORF CENTRIFUGE FOR ONE MINUTE AT 6000 RPM.

- 5) PREPARE THE POT FOR BOILING WATER
- 6) DECANIT THE SUPERNATANT, LEAVING A LITTLE BIT IN THE TUBE
- 7) RESUSPEND THE PELLETT BY VORTEXING

- 8) ADD 120 MICRO ML OF STEL-1 SOLUTION. MIX GENTLY BY INVERTING THE TUBES. DO NOT VORTEX.

- 9) KEEP THE TUBES IN BOILING WATER FOR EXACTLY 1 MINUTE AND THEN IMMEDIATELY TRANSFER THE TUBES TO A BLOCK OF ICE
- 10) KEEP THE TUBES IN ICE FOR 5 MINUTES.

- 11) SPIN THE TUBES IN THE MICROFUGE FOR 5 MINUTES AT THE HIGHEST SPEED.
- 12) USING A STERILIZED TOOTHPICK PICK UP THE PRECIPITATE AND DISCARD IT, LEAVING THE SUPERNATANT BEHIND.

- 13) ADD 120 MICRO ML OF 2-PROPRANOL (same quantity as the STEL-1 solution) AND KEEP ON ICE FOR 5 MINUTES.
- 14) DECANIT THE SUPERNATANT AND LEAVE THE TUBES TO AIR DRY IN AN INVERTED POSITION.

- 15) [To hasten this step, you may add 200 MICRO ML OF 100% ALCOHOL WITHOUT DISTURBING THE PELLETT AND ALLOW TO AIR DRY AS BEFORE.]
APPEARANCE OF THE PELLETT, RESUSPEND IN 60 MICRO ML OF TE WITH RNAase.

WORKING SOLUTION OF TE WITH RNAase

2 MICRO ML OF RNAase (20 mg/ml) in 1 ml of TE
16) THESE DNA CAN BE FROZEN AT -20 TEMPERATURE IF REQUIRED

3 out
7 out
2 out

24000

24000

300

-51-

1) Vol I - 2001 in 3000.

$$1-12 \rightarrow 25\mu + 3\mu + 10 \times 13 + 0.3\mu + 100 \times 135A = 1\mu \text{ Vol I}$$

$$\text{flux} \times 1/4 = 3.6\mu + 15A + 100 \times 4\mu \text{ Vol I}$$

$$\text{MCO.HA} \rightarrow 1\mu + 24\mu \text{ H}_2\text{O} +$$

1 1/2h 37°C

→ 10% CO, 11 not had cut

2μ x 150kI (1/4)

3μ T10

3μ 4-12

2μ x 150kI (1/4)

↑
27μ
↑

2) 4000 BUI-0.1g

→ 13μ 16-153

43μ 10-155A

1 μ 5 BUI

85μ 140

flux x 1/4 = 18.2μ 16-153

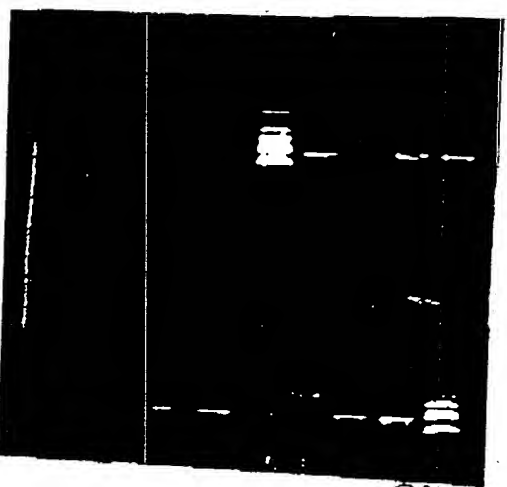
18.2μ 10-155A

14μ BUI

140μ 140

13μ 1400

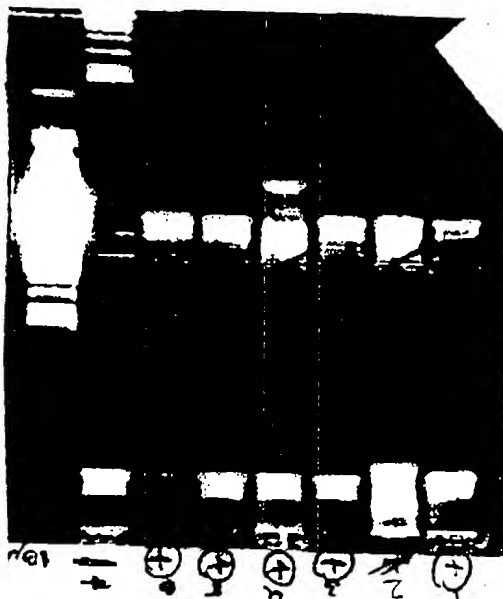
→ 2h 37°C



expected band @ 360bp (200-400bp)
 @ 360bp → if altered vector was
 cellulose dig.

360bp
 400bp
 360bp - New set - NII - 0028 - 1H/cyphid - BM
 360bp - New set - NII - 0028 - 1H/cyphid - BM
 360bp - New set - NII - 0028 - 1H/cyphid - BM

100% Pst 322
 (0.01)
 [1/10]
 100% Pst 322
 (0.01)
 [1/10]
 100% Pst 322
 (0.01)
 [1/10]



Prep 1, 3, 4, 5, 6, 10 + 100 in 100% Pst 322

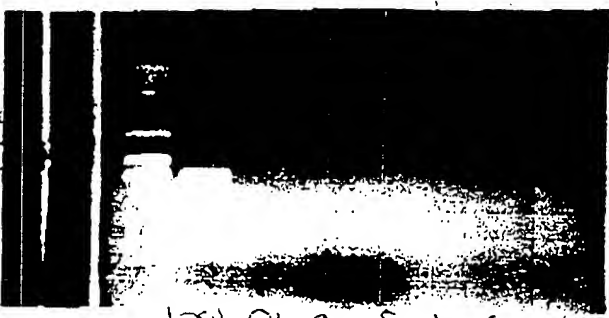
85% DMSO

100% Pst 322

100% Pst 322

100% Pst 322

100% Pst 322



100% Pst 322